

STEREO MOC Status Report
Time Period: 2013:147 - 2013:153

STEREO Ahead (STA) Status:

1. The following Ground System anomalies/events occurred during this reporting period:

- On day 147, during the DSS-14 support, turbo decoder lock was lost intermittently beginning at 1617z through 1619z due to antenna encoder glitches. This anomaly resulted in the loss of 4877 frames of SSR data. See DR #G113968 for more information.
- On day 149, during the DSS-63 support, turbo decoder lock was lost intermittently beginning at 0557z through 0630z. This anomaly resulted in the loss of ten frames of SSR data. See DR #N108892 for more information.
- On day 151, during the DSS-63 support, turbo decoder lock was lost intermittently beginning at 0526z through 0717z. This anomaly resulted in the loss of 43 frames of SSR data. See DR #N108896 for more information.

2. The following spacecraft/instrument events occurred during this week:

- On day 147, Ahead IMU-2 Z-axis gyro laser intensity monitor (LIM) began decreasing in intensity more rapidly and the cause is currently unknown. The engineer team is actively investigating the anomaly (AR ST-A-2175). Also, a concept of operations for limited gyro use is being developed to preserve gyro lifetime.
- On day 150, the 57th momentum dump was executed successfully at 1630Z, which imparted a delta V of 0.088 m/sec.
- On day 153, the SSR science partitions filled as follows:

SECCHI (Part 19) reached 100% full at 1825z for 0.9 hours.

The cause was due to the SSR science partitions emptying near end of track and the relative SSR read/write pointer position prevented the autonomous pointer moves that free SSR space.

- The average daily SSR playback volume for Ahead was 4.6 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies/events occurred during this reporting period:

- On day 148, during the DSS-63 support, the receiver and ranging processor unexpectedly went out of lock beginning at 1639z through 1642z. Also during this track, turbo decoder lock was lost intermittently between 1420z-1612z and 1654z-1727z. These anomalies resulted in the loss of 3613 frames of SSR data. See DRs #M107326 and #N108893 respectively for more information.
- On day 150, during the DSS-15 support, turbo decoder lock was lost briefly at 151-0119z. This anomaly resulted in the loss of one frame of SSR data. See DR #N108897 for more information.
- On day 151, during the DSS-63 support, turbo decoder lock was lost intermittently beginning at 1102z through 1401z. This anomaly resulted in the loss of 31 frames of SSR data. See DR #N108898 for more information.

2. The following spacecraft/instrument events occurred during this week:

- On day 147, the SSR science partitions filled as follows:

SECCHI (Part 19) reached 100% full at 0141z for 0.1 hours.

The cause was due to the SSR science partitions emptying near end of track and the relative SSR read/write pointer position prevented the autonomous pointer moves that free SSR space.
- On day 151, the SSR science partitions filled as follows:

SECCHI (Part 19) reached 100% full at 1519z for 0.3 hours.

The cause was due to the SSR science partitions emptying near end of track and the relative SSR read/write pointer position prevented the autonomous pointer moves that free SSR space.

- The average daily SSR playback volume for Behind was 4.8 Gbits during this week.